

ABSTRACT

Please replace the abstract that appears on page 9 of the specification with the following additional revisions, and submitted on a separate sheet.

Abstract

An ion-sensitive sensor arrangement includes: ~~[[A]]~~ a semiconductor chip having a first surface, which has a media-sensitive region and at least one, first, electrical contact surface; and a support having a second surface, which faces the first surface of the semiconductor ~~chip~~~~[[, has an]]~~ . An opening is provided, which aligns with the sensitive region, and at least one, second, electrical contact surface, which overlaps, or aligns with, the at least one, first, electrical contact surface~~[[;]]~~. ~~wherein, between~~ Between the support and the semiconductor chip, a preferably elastic, anisotropic conductor is arranged, which produces a conducting connection between the at least one, first, contact surface and the at least one, second, contact surface, and which has a traversing opening, which aligns with the opening ~~in the second surface~~, so that the sensitive region of the semiconductor chip can be contacted through the opening by an analyte~~[[,]]~~. ~~wherein the~~ The preferably elastic, anisotropic conductor seals the region outside of the opening against contamination with the analyte.